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Information Security - Zhiqiang Lin 2019-09-02
This book constitutes the proceedings of the 22nd International Conference on Information Security, ISC 2019, held in New York City, NY, USA, in September 2019. The 23 full papers presented in this volume were carefully reviewed and selected from 86 submissions. The papers were organized in topical sections named: Attacks and Cryptanalysis; Crypto I: Secure Computation and Storage; Machine Learning and Security; Crypto II: Zero-Knowledge Proofs; Defenses; Web Security; Side Channels; Malware Analysis; Crypto III: Signatures and Authentication.
Traffic Signal Summer Camp - Michael Kyte 2001

FHWA Nationally Coordinated Program of Highway Research, Development, and Technology. Annual Progress Report. Fiscal Year 1993 - 1993

Recent Developments and the New Directions of Research, Foundations, and Applications - Shahnaz N. Shahbazova 2023-06-26
This book is a collection of papers presented during the 8th World Conference on Soft Computing in February 2022. The papers cover multiple areas important for soft computing. Some papers are dedicated to fundamental aspects of soft computing, i.e., fuzzy mathematics, type-2 fuzzy sets, evolutionary-based optimization, aggregation, and neural networks. Others emphasize the application of soft computing methods to data analysis, image processing, decision-making, classification, series prediction, economics, control, and modeling.
Software Development Measurement Programs - Miroslaw Staron 2018-07-13
This book seeks to promote the structured, standardized and accurate use of software measurement at all levels of modern software development companies. To do so, it focuses on seven main aspects: sound scientific foundations, cost-efficiency, standardization, value-maximization, flexibility, combining organizational and technical aspects, and seamless technology integration. Further, it supports companies in their journey from manual reporting to automated decision support by combining academic research and industrial practice. When scientists and engineers measure something, they tend to focus on two different things. Scientists focus on the ability of the measurement to quantify whatever is being measured; engineers, however, focus on finding the right qualities of measurement given the designed system (e.g. correctness), the system's quality of use (e.g. ease of use), and the efficiency of the measurement process. In this book, the authors argue that both focuses are necessary, and that the two are complementary. Thus, the book is organized as a gradual progression from theories of measurement (yes, you need theories to be

successful!) to practical, organizational aspects of maintaining measurement systems (yes, you need the practical side to understand how to be successful). The authors of this book come from academia and industry, where they worked together for the past twelve years. They have worked with both small and large software development organizations, as researchers and as measurement engineers, measurement program leaders and even teachers. They wrote this book to help readers define, implement, deploy and maintain company-wide measurement programs, which consist of a set of measures, indicators and roles that are built around the concept of measurement systems. Based on their experiences introducing over 40,000 measurement systems at over a dozen companies, they share essential tips and tricks on how to do it right and how to avoid common pitfalls.

A Directory of Computer Software - 1985

Urban Traffic Control System First Generation FORTRAN IV Overlay Software (extended Version) - De Leuw, Cather & Company 1979

Going IT Alone: The Handbook for Freelance and Contract Software Developers - Leon Brown 2016-12-05

A detailed guide to self-employment for software and web developers—from identifying your target market, through to managing your time, finances, and client behavior About This Book Discover how to make money with software development skills. Learn how to develop a marketing and sales strategy and develop profitable pricing strategies for your software services and products Gain insights through real case studies and insights provided from industry experts Who This Book Is For Going the self employed route in software development offers many opportunities to develop awareness and skills to enhance your career. Whether you are a student currently studying software development or a veteran software developer already in the industry, Going IT Alone provides you with insights you need to avoid the pitfalls of self employment and to succeed with software projects that are profitable and sustainable. What You Will Learn Identify and understand your target market. Propose the value of what your service or product offers. Build a business model that identifies key entities required to make your software business work. Develop marketing a marketing strategy that targets the right customer segments and produces the sales you need to be profitable. Analyze information to make better decisions and understand your business performance. Understand people through observation and use this to your advantage in project management and negotiation. Improve accuracy of estimates for time and costs of your software projects. Understand the relationship between code and the business strategy. Identify software features from a business perspective, allowing you to prioritise must have features from those that are less important to your profitability. Avoid the trap of increasing software development time and costs from features that provide no benefit or sales increase. In Detail No matter whether you are a student or an industry veteran, self employment adds a new dimension of opportunities to “learn and earn”, whether it be on a full-time or part-time basis. Develop the business acumen and understanding of the link between software patterns and business strategy that you need to become a successful and profitable independent software developer. Discover how to apply your software development skills to entrepreneurship. Decide whether you just want to earn or aspire to build the next Facebook. Supported by real world case studies and input from industry experts, the book looks at the business topics you need to understand to become an independent software developer. From the initial steps of identifying how you can make a profit with your software development skills, through to making your first sale and managing your projects, you will learn how to manage each of the major steps involved

in becoming a self employed software developer – whether you decide to go freelance, take up contracting or develop your own product. Written specifically for software and web developers, the book identifies how business issues have a direct impact on code patterns used in software projects. Learn how to build your code to support your business model and with safety features to protect against potential threats that may emerge from the changing business environment. Style and approach This book is a detailed guide to self employment for software and web developers , covering major topics from identifying your target market and business model, through to managing your time, finances and client behavior.

Simulation of Urban Mobility - Michael Behrisch 2014-11-06

This book constitutes the thoroughly refereed proceedings of the First International Conference on Simulation of Urban Mobility, SUMO 2013, held in Berlin, Germany, in May 2013. The 12 revised full papers presented tin this book were carefully selected and reviewed from 22 submissions. The papers are organized in two topical sections: models and technical innovations and applications and surveys.

Telematics in the Transport Environment - Jerzy Mikulski 2012-09-25

This book constitutes the proceedings of the 12th International Conference on Transport Systems Telematics, TST 2012, held in Katowice-Ustron, Poland, in October 2012. The 48 papers included in this volume were carefully reviewed and selected for inclusion in this book. Transport telematics are the systems using the information and communication technologies in the area of infrastructure and of means of transport and its participants. An intelligent transport covers systems that allow, through the data transmission and analysis, to influence the behaviour of road users and the action of technical elements in means of transport or along the traffic route. Intelligent transport systems - in accordance with the European Directive - are used for the transport management informatisation. The research shows that the use of telematics can significantly increase the efficiency of the transport system, the road safety and the environmental protection. This book provides an overview of solutions being developed in the field of intelligent transportation systems, and includes theoretical and case studies in the countries of conference participants.

Signals, Traffic Software, and Lighting: Courses and Basic References - 1988

Software Tools for the Simulation of Electrical Systems - Ashok L. Kumar 2020-08-08

Simulation of Software Tools for Electrical Systems: Theory and Practice offers engineers and students what they need to update their understanding of software tools for electric systems, along with guidance on a variety of tools on which to model electrical systems—from device level to system level. The book uses MATLAB, PSIM, Pspice and PSCAD to discuss how to build simulation models of electrical systems that assist in the practice or implementation of simulation software tools in switches, circuits, controllers, instruments and automation system design. In addition, the book covers power electronic switches and FACTS controller device simulation model building with the use of Labview and PLC for industrial automation, process control, monitoring and measurement in electrical systems and hybrid optimization software HOMER is presented for researchers in renewable energy systems. Includes interactive content for numerical computation, visualization and programming for learning the software tools related to electrical sciences Identifies complex and difficult topics illustrated by useable examples Analyzes the simulation of electrical systems, hydraulic, and pneumatic systems using different software, including MATLAB, LABVIEW, MULTISIM, AUTOSIM and PSCAD

C and the 8051 - Thomas W. Schultz 2004

This totally reworked book combines two

previous books with material on networking. It is a complete guide to programming and interfacing the 8051 microcontroller-family devices for embedded applications.

Software Reliability Methods - Doron A. Peled 2001-06-26

This book presents current methods for dealing with software reliability, illustrating the advantages and disadvantages of each method. The description of the techniques is intended for a non-expert audience with some minimal technical background. It also describes some advanced techniques, aimed at researchers and practitioners in software engineering. This reference will serve as an introduction to formal methods and techniques and will be a source for learning about various ways to enhance software reliability. Various projects and exercises give readers hands-on experience with the various formal methods and tools.

Computer Programming And Software Development: 9 Books In 1 - Richie Miller 2023

If you want to discover how to become a software developer using C#, Python, Angular, or JavaScript, this book is for you! 9 BOOKS IN 1 DEAL! · BOOK 1: ANGULAR FRAMEWORK ESSENTIALS - OPEN SOURCE WEB APP DEVELOPMENT USING ANGULAR & TYPESCRIPT · BOOK 2: PYTHON MACHINE LEARNING - ALGORITHM DESIGN & PRACTICAL CODE EXECUTION · BOOK 3: REACT JAVASCRIPT VULNERABILITIES - CONSTRUCTING SECURE REACTJS CODE · BOOK 4: C# CODING SYNTAX - C SHARP SOFTWARE DEVELOPMENT FUNDAMENTALS · BOOK 5: C# PROGRAMMING BASICS - WRITE, RUN, AND DEBUG CONSOLE APPLICATIONS · BOOK 6: C# CODING FUNDAMENTALS - CONTROL FLOW STATEMENTS AND EXPRESSIONS · BOOK 7: C# TYPE CLASS FUNDAMENTALS - BUILT-IN DATA TYPES, CLASSES, INTERFACES, AND INHERITANCE · BOOK 8: C# PROGRAMMING - EXPLICIT INTERFACE IMPLEMENTATION · BOOK 9: C# GENERICS - PERFORMANCE AND TYPE SAFETY BUY THIS BOOK NOW AND GET STARTED TODAY!

Logo! - Uwe Graune 2009-03-18

With LOGO! a wide range of control tasks can be implemented easily and flexibly - from applications in building and installation technology to tasks in control cabinet construction and in mechanical and instrument engineering. Distributed local control of machines and processes is possible by connecting up a communication module such as AS-Interface. Many switching devices can be replaced with the eight basic and 28 special functions in the logic module for Micro Automation. This practical book describes in a lively manner how programs are developed and hardware is chosen. It explains the standard situations of control technology on the basis of a guide, but also with many practical project tasks. From the quick start to program simulations, the reader is given comprehensive training on the different basic variants and expansion modules, allowing very flexible and precise adjustment to special tasks. The book includes a CD containing a demo version of LOGO!Soft Comfort, the examples described in the book, and the LOGO! manual in different languages.

Simulation Technologies in Networking and Communications - Al-Sakib Khan Pathan 2014-11-06

Simulation is a widely used mechanism for validating the theoretical models of networking and communication systems. Although the claims made based on simulations are considered to be reliable, how reliable they really are is best determined with real-world implementation trials. Simulation Technologies in Networking and Communications: Selecting the Best Tool for the Test addresses the spectrum of issues regarding the different mechanisms related to simulation technologies in networking and communications fields. Focusing on the practice of simulation testing instead of the theory, it presents the work of more than 50 experts from around the world. Considers superefficient Monte Carlo

simulations Describes how to simulate and evaluate multicast routing algorithms Covers simulation tools for cloud computing and broadband passive optical networks Reports on recent developments in simulation tools for WSNs Examines modeling and simulation of vehicular networks The book compiles expert perspectives about the simulation of various networking and communications technologies. These experts review and evaluate popular simulation modeling tools and recommend the best tools for your specific tests. They also explain how to determine when theoretical modeling would be preferred over simulation. This book does not provide a verdict on the best suitable tool for simulation. Instead, it supplies authoritative analyses of the different kinds of networks and systems. Presenting best practices and insights from global experts, the book provides you with an understanding of what to simulate, where to simulate, whether to simulate or not, when to simulate, and how to simulate for a wide range of issues.

Electronics Projects Vol. 16 - EFY Enterprises Pvt Ltd 2009-11

A Compilation of 98 tested Electronic Construction Projects and Circuit Ideas for Professionals and Enthusiasts

Catalogue of Publications Issued by the Government of the United States - United States. Superintendent of Documents 1982-11

February issue includes Appendix entitled Directory of United States Government periodicals and subscription publications; September issue includes List of depository libraries; June and December issues include semiannual index

Information Technology and Intelligent Transportation Systems - V.E. Balas 2017-08-18

Intelligent transport systems are on the increase. They employ a variety of technologies, from basic management systems to more advanced application systems, with information technology – including wireless communication, computational technologies, floating car data/cellular data such as sensing technologies and video vehicle detection – playing a major role. This book presents the proceedings of the 2nd International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2017), held in Xi'an, People's Republic of China, in June 2017. The conference provides a platform for professionals and researchers from industry and academia to present and discuss recent advances in the field of information technology and intelligent transportation systems; organizations and researchers involved in these fields, including distinguished academics from around the world, explore theoretical and applied topics such as emergency vehicle notification systems, automatic road enforcement, collision avoidance systems and cooperative systems. ITITS 2017 received more than 200 papers from 4 countries, and the 65 accepted papers appear in this book, which will be of interest to all those involved with the development of intelligent transport systems.

Public Roads - 1999

Traffic Signal Control Equipment - Peter J. Yauch 1990

This synthesis will be of interest to traffic engineers and others interested in the capabilities of currently available equipment for traffic signal control. Information is provided on functions and operations of controller assemblies, displays, detectors, communications, and computerized system masters. Traffic engineers need to know the functional capabilities of the various types of signal control equipment in order to select appropriate equipment for a specific application. This report of the Transportation Research Board describes the functions of each type of equipment and how it works, and gives advantages, disadvantages, and limitations.

Agile Processes in Software Engineering and Extreme Programming - Pekka Abrahamsson 2008-06-10

The XP conference series established in

2000 was the first conference dedicated to agile processes in software engineering. The idea of the conference is to offer a unique setting for advancing the state of the art in the research and practice of agile processes. This year's conference was the ninth consecutive edition of this international event. The conference has grown to be the largest conference on agile software development outside North America. The XP conference enjoys being one of those conferences that truly brings practitioners and academics together. About 70% of XP participants come from industry and the number of academics has grown steadily over the years. XP is more of an experience rather than a regular conference. It offers several different ways to interact and strives to create a truly collaborative environment where new ideas and exciting findings can be presented and shared. For example, this year's open space session, which was "a conference within a conference", was larger than ever before. Agile software development is a unique phenomenon from several perspectives.

Introduction to Turbo Pascal 3.5 and Software Design - Dale/Weems 1994-12

Software Engineering and Knowledge Engineering: Theory and Practice - Yanwen Wu 2012-01-15

The volume includes a set of selected papers extended and revised from the I2009 Pacific-Asia Conference on Knowledge Engineering and Software Engineering (KESE 2009) was held on December 19~ 20, 2009, Shenzhen, China. Volume 1 is to provide a forum for researchers, educators, engineers, and government officials involved in the general areas of Computer and Software Engineering to disseminate their latest research results and exchange views on the future research directions of these fields. 140 high-quality papers are included in the volume. Each paper has been peer-reviewed by at least 2 program committee members and selected by the volume editor Prof. Yanwen Wu. On behalf of this volume, we would like to express our sincere appreciation to all of authors and referees for their efforts reviewing the papers. Hoping you can find lots of profound research ideas and results on the related fields of Computer and Software Engineering.

Signals, Traffic Software, and Lighting - 1986

Presents a summary of courses and basic references under development or completed in the areas of traffic signals and lighting primarily encompassing Federal Highway Administration products.

A Directory of Computer Software & Related Technical Reports - 1983

Official Gazette of the United States Patent and Trademark Office - 1997

Report No. FHWA-RD. - United States. Federal Highway Administration. Offices of Research and Development 1976

Supporting Learning and Teaching - Christine Bold 2011-06-14

"Supporting Teaching and Learning brings together theoretical perspectives, practical educational ideas and current academic debates to help students develop their understanding of core educational issues. With focus also on understanding the professional relationships necessary for quality learning, this updated second edition sets out to develop practitioners' study and reflective thinking skills. This book brings together chapters from well-qualified and positioned authors who cover a wide range of topics, themes and age ranges. Each chapter contains a statement of the author's values and beliefs and concludes with discussion starters, ideas for reflecting on practice and a list of useful resources. Topics covered in the book include: - The core subjects in the curriculum; - Information and Communications Technology, - Linguistic and cultural diversity; - Special educational needs; - Out-of-school learning; - Assessment; - Reflective practice and action research. Accessible, discursive and thought provoking, this book is essential

reading for Foundation degree students, teaching assistants and those undertaking initial teacher training or Education Studies courses"--Provided by publisher

Federal Software Exchange Catalog - 1985

Focus - 2008

AI and IoT for Smart City Applications - Vincenzo Piuri 2022-01-04

This book provides a valuable combination of relevant research works on developing smart city ecosystem from the artificial intelligence (AI) and Internet of things (IoT) perspective. The technical research works presented here are focused on a number of aspects of smart cities: smart mobility, smart living, smart environment, smart citizens, smart government, and smart waste management systems as well as related technologies and concepts. This edited book offers critical insight to the key underlying research themes within smart cities, highlighting the limitations of current developments and potential future directions.

Detection of Intrusions and Malware, and Vulnerability Assessment - Roberto Perdisci 2019-06-10

This book constitutes the proceedings of the 16th International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment, DIMVA 2019, held in Gothenburg, Sweden, in June 2019. The 23 full papers presented in this volume were carefully reviewed and selected from 80 submissions. The contributions were organized in topical sections named: wild wild web; cyber-physical systems; malware; software security and binary analysis; network security; and attack mitigation.

A Directory of Computerized Data Files, Software & Related Technical Reports - 1976

Embedded Software Design and Programming of Multiprocessor System-on-Chip - Katalin Popovici 2010-03-03

Current multimedia and telecom applications require complex, heterogeneous multiprocessor system on chip (MPSoC) architectures with specific communication infrastructure in order to achieve the required performance. Heterogeneous MPSoC includes different types of processing units (DSP, microcontroller, ASIP) and different communication schemes (fast links, non standard memory organization and access). Programming an MPSoC requires the generation of efficient software running on MPSoC from a high level environment, by using the characteristics of the architecture. This task is known to be tedious and error prone, because it requires a combination of high level programming environments with low level software design. This book gives an overview of concepts related to embedded software design for MPSoC. It details a full software design approach, allowing systematic, high-level mapping of software applications on heterogeneous MPSoC. This approach is based on gradual refinement of hardware/software interfaces and simulation models allowing to validate the software at different abstraction levels. This book combines Simulink for high level programming and SystemC for the low level software development. This approach is illustrated with multiple examples of application software and MPSoC architectures that can be used for deep understanding of software design for MPSoC.

FHWA Research, Development and Technology Implementation Catalog - United States. Federal Highway Administration. Implementation Division 1984

High-Performance Computing Systems and Technologies in Scientific Research, Automation of Control and Production - Vladimir Jordan 2021-01-15

This book constitutes selected revised and extended papers from the 10th International Conference on High-Performance Computing Systems and Technologies in Scientific Research, Automation of Control and Production,

HPCST 2020, Barnaul, Russia, in May 2020. Due to the COVID-19 pancemic the conference was partly held in virtual mode. The 14 full papers presented in this volume were thoroughly reviewed and selected form 51 submissions. The papers are organized in topical sections on hardware for high-performance computing and its applications; information technologies and computer simulation of physical phenomena.

Instructor's Guide for Traffic Signal Design Training Course - 1985

The Pattern On The Stone - W. Daniel Hillis 2014-12-09

Most people are baffled by how computers work and assume that they will never understand them. What they don't realize -- and what Daniel Hillis's short book brilliantly demonstrates -- is that computers' seemingly complex operations can be broken down into a few simple parts that perform the same simple procedures over and over again. Computer wizard Hillis offers an easy-to-follow explanation of how data is processed that makes the operations of a computer seem as straightforward as those of a bicycle. Avoiding technobabble or discussions of advanced hardware, the lucid explanations and colorful anecdotes in The Pattern on the Stone go straight to the heart of what computers really do. Hillis proceeds from an outline of basic logic to clear descriptions of programming languages, algorithms, and memory. He then takes readers in simple steps up to the most exciting developments in computing today -- quantum computing, parallel computing, neural networks, and self-organizing systems. Written clearly and succinctly by one of the world's leading computer scientists, The Pattern on the Stone is an indispensable guide to understanding the workings of that most ubiquitous and important of machines: the computer.